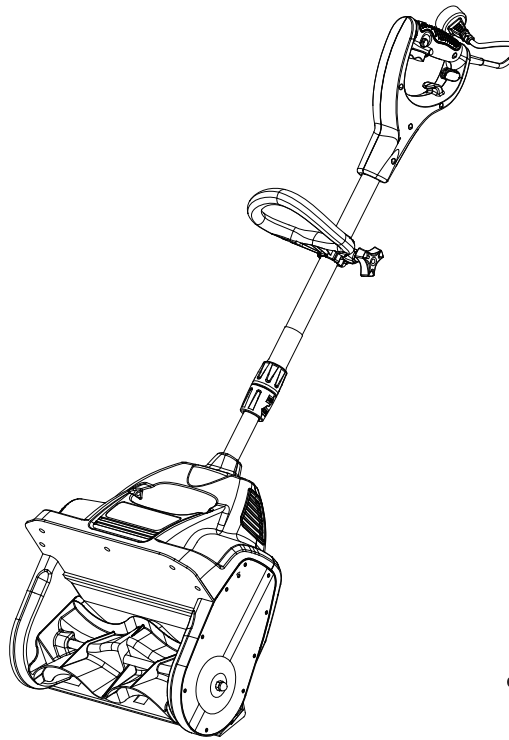
YARDWORKS®MD

8 A Electric Snow Thrower

060-3984-0



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Owner's Manual

TOLL-FREE HELPLINE: 1 866 523-5218

IMPORTANT:

Read all safety rules and instructions carefully before operating this tool.

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SPECIFICATIONS

Motor	120 V, 60 Hz, 8 A
Blade speed	Up to 2,600 RPM
Clearing width	12″ (30 cm)
Clearing depth	4″ (10.2 cm)
Blade width	10″ (25.4 cm)
Discharge distance	Up to 20' (6 m)
Weight	14 lb (6.3 kg)

SAFETY RULES

Read this entire Owner's Manual carefully and understand it thoroughly before attempting to assemble or operate this Snow Thrower. These safety rules are not meant to cover every possible condition that may occur. If questions arise concerning the product, contact the Toll-Free Helpline, at 1-866-523-5218, between 8:30 a.m. and 5:00 p.m. EST, Monday to Friday.

Safety Signals

The purpose of safety signal statements and symbols is to indicate possible danger. Read these statements carefully in order to understand and practice proper accident prevention.

⚠DANGER⚠ Indicates an EXTREME hazard.

Failure to obey a DANGER safety signal will result in serious injury or death to the operator or to others. Always follow the safety precautions in order to reduce the risk of fire, electric shock, and personal injury.

⚠WARNING Indicates a serious hazard.

Failure to obey a WARNING safety signal may result in serious injury to the operator or to others. Always follow the safety precautions in order to reduce the risk of fire, electric shock, and personal injury.

CAUTION ! Indicates a moderate hazard.

Failure to obey a CAUTION safety signal may result in property damage or personal injury to the operator or to others. Always follow the safety precautions in order to reduce the risk of fire, electric shock, and personal injury.

IMPORTANT! Indicates special mechanical information.

NOTE: Indicates additional important information that is general in nature.

Safety Symbols

IMPORTANT! Some of the following symbols may appear on the Snow Thrower. Study them carefully and learn their meaning.

Proper interpretation of these symbols will allow for more efficient and safer operation of the Snow Thrower.

SYMBOL	NAME	EXPLANATION
V	Volt	Potential voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycl s per second)
n_0	No load speed	Rotational speed at no load
.../min	Movements per minute	Revolutions, strokes, surface per minute speed, orbits, etc. per minute
~	Alternating current	Type or a characteristic of current
⎓	Direct current	Type or a characteristic of current
⧈	Class II	Designates double insulation

SAFETY RULES

Double insulated Snow Thrower

DANGER: Basic safety precautions should always be followed when using electric tools in order to reduce the risk of fire, electric shock, and personal injury. Read the entire Owner's Manual carefully and understand it thoroughly before using this Snow Thrower. Pay close attention to the operating instructions and safety rules.

• This Snow Thrower is “DOUBLE INSULATED”

Extension Cord

WARNING: In order to reduce the risk of electric shock when operating this Snow Thrower, use only a CSA-listed extension cord that is approved for outdoor use, such as Type SJTW, 16AWG, and that has a lower temperature rating of -40° F (-40° C).

• Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) that will be used for this Snow Thrower. For an extra measure of safety, use a receptacle that has built-in GFCI protection.

• The nameplate on the Snow Thrower indicates the voltage used. Do not connect the Snow Thrower to an AC circuit that provides a different voltage from the voltage that is indicated on the nameplate.

Recommended size of extension cords

Amperage rating of the tool (120 V circuit only)		**Total length of the extension cord**			
		25’ (7.6 m)	50’ (15.2 m)	100’ (30.4 m)	150’ (45.7 m)
More than	Not more than	**Minimum Gauge for the extension cord (AWG)**			
6	10	18	16	14	12

WARNING: In order to prevent electric shock, use an extension cord that is suitable for outdoor use.

• Inspect the extension cord and the power cord on a regular basis. Look for deterioration, cuts, or cracks in the insulation. Inspect the connections for damage. Repair or replace the extension cord or the power cord if any damage is found.

• Verify that the rotor and all moving parts have come to a complete stop, and disconnect the Snow Thrower from the power supply in order to prevent accidental start-ups before cleaning or performing any inspections or repairs.

• Do not abuse the extension cord. Do not carry the Snow Thrower by the power cord or pull on the cord in order to disconnect it from the receptacle.

• Keep the extension cord away from heat, oil, and sharp edges in order to prevent damage.

• If the extension cord is damaged in any manner while it is plugged in, disconnect it from the outlet immediately.

• Prevent any possible disconnection of the power cord from the extension cord while the Snow Thrower is in use by using the cord retainer and guide bar. Refer to the section entitled Using the Cord Retainer.

SAFETY RULES

• Avoid accidental start-ups. Do not carry the Snow Thrower with a finger on the switch while it is plugged in. Verify that the switch is in the "OFF" position before plugging in the Snow Thrower.
• Unplug the Snow Thrower and allow it to cool down before putting it into storage. Store the Snow Thrower indoors.
• Unplug the Snow Thrower when it is not in use and before performing any maintenance or repairs.

FOLLOW THESE RULES WHILE OPERATING THE SNOW THROWER

• Walk. Do not run.
• Verify that the Snow Thrower is not in contact with anything before turning it on.
• Stay away from the discharge opening at all times. Keep face, hands, and feet away from concealed, moving, or rotating parts.
• Be attentive when using the Snow Thrower, and stay alert for holes in the terrain and other hidden hazards or traffic.
• Do not use the Snow Thrower on a gravel or crushed rock surface. Use extreme caution when crossing gravel/crushed rock drives, walks, or roads.
• Move up and down slopes when clearing snow. Do not go across a slope. Use caution when changing direction. Do not use this Snow Thrower to clear snow from steep slopes.
• Do not attempt to use the Snow Thrower on a roof or on any steeply inclined slippery surface.
• Do not operate the Snow Thrower if the guards, plates, and other safety protective devices are not in place.
• Do not operate the Snow Thrower near glass enclosures, automobiles, trucks, window wells, drop-offs, etc. without properly adjusting the angle of the snow discharge. Keep children and pets away from the work area.
• Do not force or overload the Snow Thrower. The Snow Thrower will perform better and safer when it is used at the rate that it was designed to work at.
• Do not operate the Snow Thrower at high speeds on slippery surfaces. Look behind, and exercise caution when backing up.
• Do not direct the discharge toward people, and do not allow anyone to move in front of the Snow Thrower while it is in use.
• Wear safety glasses or goggles that meet ANSI Z87.1 standards, and wear ear/hearing protection when using this Snow Thrower.
• Use the Snow Thrower in daylight or in good artificial light.
• Avoid accidental start-ups. Remain in the starting position when turning the Snow Thrower on. The operator and the Snow Thrower must be in a stable position during start-up. See the section entitled Starting/Stopping Instructions.
• Use the proper tool. Only use this Snow Thrower for the purpose that it was designed for.
• Do not overreach. Always keep proper footing and balance.
• Hold the Snow Thrower with both hands while it is in use. Keep a firm grip on the handles or the grips.
• Keep hands, face, and feet away from all moving parts. Do not touch or try to stop the impeller while it is rotating.
• If the impeller does not rotate freely due to frozen ice, thaw the Snow Thrower thoroughly before attempting to use it.
• Keep the impeller clear of debris.
• Do not attempt to clear the impeller while the motor is running or while the Snow Thrower is plugged in it. Turn the motor off and unplug the Snow Thrower from the extension cord or the outlet.

SAFETY RULES

• Keep clothing and body parts away from the rotor.
• Do not operate the motor at a faster speed than necessary. Do not run the motor at high speed while not clearing snow.
• Stop the motor when snow clearing is delayed or when moving from one location to another.
• Unplug the Snow Thrower when it is being transported and when it is not in use.
• After striking a foreign object, turn the Snow Thrower off and unplug it, and then inspect it for damage. Repair any damage before restarting and using the Snow Thrower.
• If the Snow Thrower starts to vibrate abnormally, stop the Snow Thrower immediately and attempt to determine the cause. Vibration is generally an indication of danger.
• Stop the motor and unplug the Snow Thrower whenever the operator is not in the operating position, before unclogging the impeller, and before making any repairs, adjustments, or inspections.
• Do not discharge snow onto public roads or near moving traffic.
• Allow the Snow Thrower to run for a few minutes after clearing snow in order to prevent moving parts from freezing.
• Use only the manufacturer's original replacement parts and accessories for this Snow Thrower. The use of unauthorized parts or accessories could lead to serious injury to the user or damage the Snow Thrower, and will void the warranty.
• Do not use the Snow Thrower in the hand held position. Do not pick up the Snow Thrower while it is plugged and running. The Snow Thrower is designed to travel along the ground.

GENERAL SAFETY RULES

• Verify that the Snow Thrower is secure while transporting.
• Store the Snow Thrower in a dry area, locked up or high enough to prevent unauthorized use or damage, and out of the reach of children.
• Do not douse or squirt the unit with water or any other liquid. Keep handles dry, clean, and free of debris. Clean the Snow Thrower after each use. See the section entitled Cleaning and Storage.
• If the labels on the Snow Thrower become defaced or start to lift off, contact the Toll-Free Helpline, at 1 866 523-5218.
• Keep these instructions in a safe place for future reference. Refer to them often, and use them to instruct other users. Anyone who uses this Snow Thrower must read these instructions carefully.
• Maintain the Snow Thrower with care. Follow the instructions for lubricating and changing accessories.

SAFETY RULES

This Owner's Manual describes safety and international symbols and pictographs that may appear on this product. Read this Owner's Manual carefully for complete information concerning safety, assembly instructions, operating instructions, and maintenance and repairs.

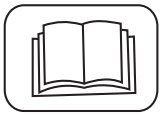
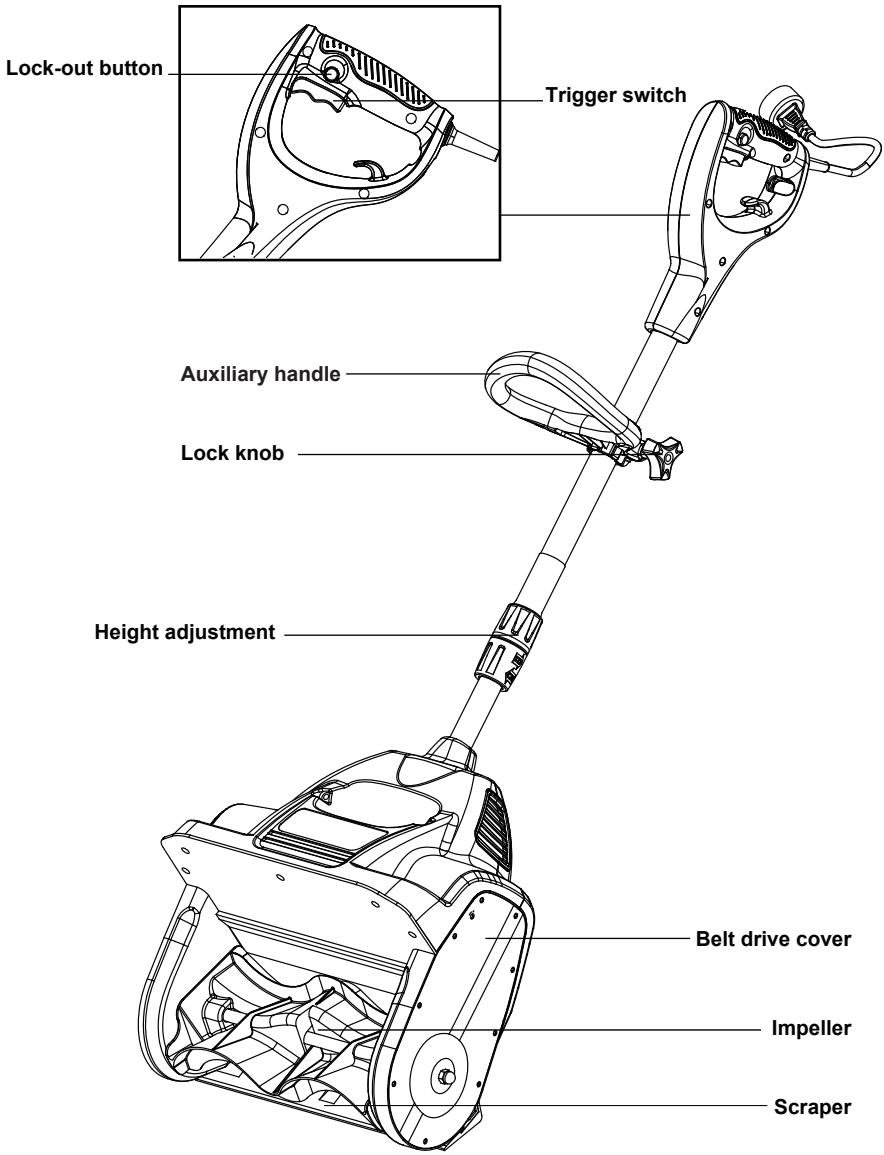
SYMBOL	MEANING
	• SAFETY ALERT SYMBOL **Indicates danger, warning, or caution. May be used in conjunction with other symbols or pictographs.**
	**• WARNING - READ THE OWNER'S MANUAL** **Read the Owner's Manual carefully and follow all warnings and safety instructions. Failure to do so may result in serious injury to the operator and/or bystanders.**
	• KEEP BYSTANDERS AWAY **WARNING: Keep all bystanders, and especially children and pets, at least 50 feet (15 m) away from the operating area.**
	• THROWN OBJECTS AND ROTATING CUTTER MAY CAUSE SEVERE INJURY **WARNING: Small objects can be propelled at high speed, causing injury. Keep away from the rotating rotor.**
	• SPINNING ROTOR MAY CAUSE SEVERE INJURY **WARNING: Keep hands, feet, and clothing away from the discharge area. Do not step in front of the Snow Thrower, and do not use hands to clean the rotor area while the Snow Thrower is plugged in.**
	• KEEP HANDS AND FEET AWAY

DIAGRAM AND LOCATION OF PARTS



ASSEMBLY INSTRUCTIONS

CONNECTING THE POLES

1. Carefully remove the product and any accessories from the box. Make sure that all items listed are included.
2. Remove packaging material from cord and discard immediately.
3. Align the slot on the handle pole and the button on the lower pole. Slide the handle pole into lower pole until you hear the button click.
4. Raise the collar on the lower pole to the threaded base on the handle pole and rotate clockwise to secure.

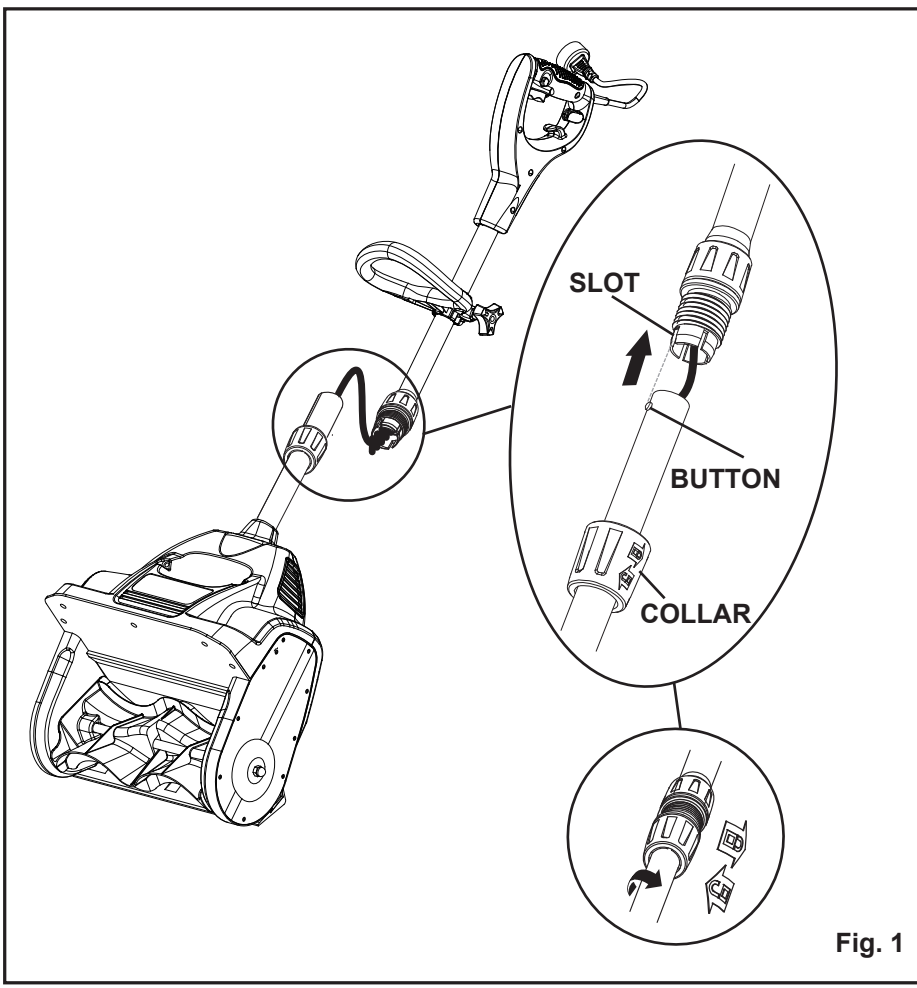


Fig. 1

ASSEMBLY INSTRUCTIONS

USING THE CORD RETAINER

This Snow Thrower is equipped with a cord retainer in order to prevent the extension cord from disconnecting from the power cord while the Snow Thrower is in use.

NOTE: Do not plug the extension cord into the outlet until it has been connected to the cord retainer and plugged into the Snow Thrower.

To use the cord retainer:
1. Fold the extension cord to form a tight loop near the retainer.
2. Push the loop through the bottom hole in the retainer.
3. Slide the loop over the retaining clip, and pull down until the cord is secured.

NOTE: Use a CSA or CuL-approved extension cord.

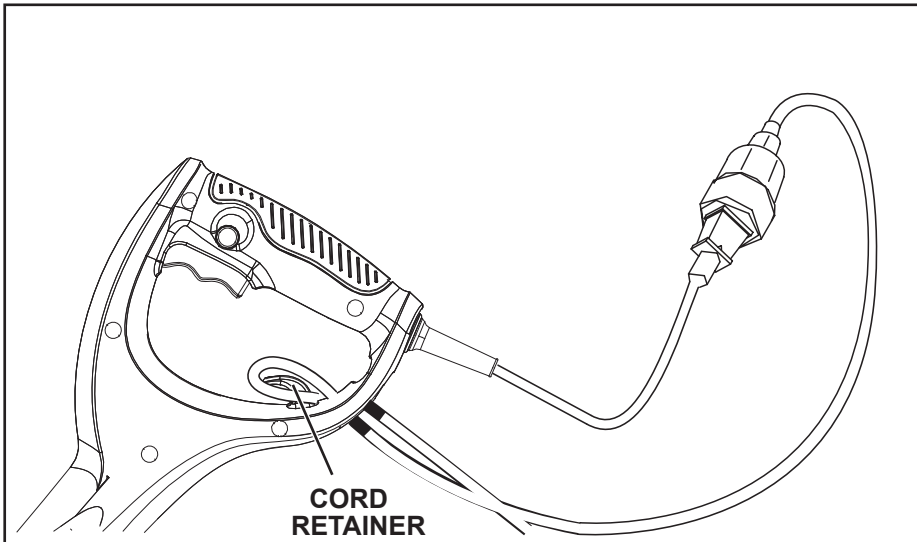


Fig. 2

OPERATING INSTRUCTIONS

STARTING THE SNOW THROWER

Avoid accidental start-ups. Verify that the operator is in the starting position when using the snow thrower. In order to avoid serious injury, the operator and unit must be in a stable position when starting the Snow Thrower.

Follow this sequence exactly in order to start the Snow Thrower.
1. Verify that the Snow Thrower is plugged in.
2. Press and hold the lock-out button (Fig. 3).
3. While holding the lock-out button, press and hold the trigger switch.
NOTE: The Snow Thrower will not start if the lock-out button is not held until the trigger switch is lifted.
4. Hold the handles and begin to use the Snow Thrower (Fig. 4).

STOPPING THE SNOW THROWER

1. Release the trigger switch.
2. The lock-out button will pop out, and the Snow Thrower will stop.

USING THE SNOW THROWER

1. Start the Snow Thrower by following the Starting instructions. The depth and weight of the snow will determine the forward speed.
2. Push the Snow Thrower forward so that it rides on the scraper.
3. Verify that the power cord is attached to the cord retainer. The power cord should trail to the side of the operator.

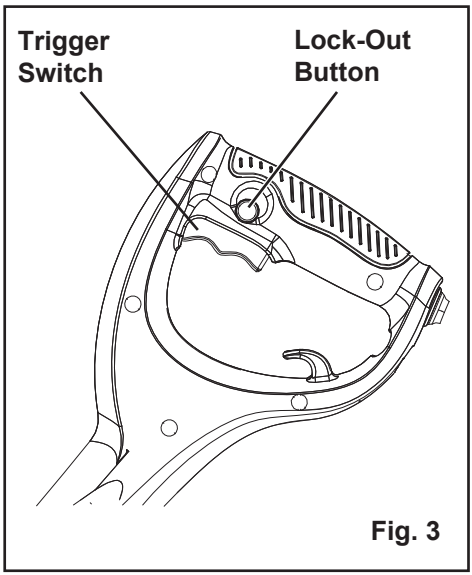


Fig. 3

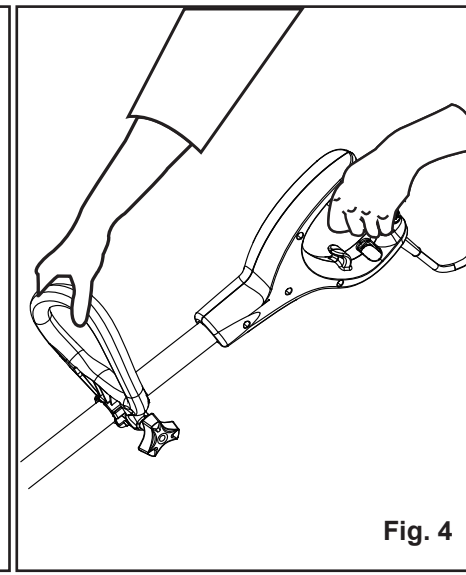


Fig. 4

MAINTENANCE

SERVICING

Servicing should be performed by a qualified technician. Replacement parts for this Snow Thrower must be identical to the parts that they replace. If repairs are necessary, contact the Toll-Free Helpline, at 1-866-523-5218.

INSPECTING/REPLACING THE DRIVE BELT

When servicing the Snow Thrower, use only the manufacturer's original replacement parts. Inspect the drive belt for wear once per year or every 50 hours of operation, whichever comes first. If the drive belt needs to be replaced, follow these steps.

In order to avoid serious personal injury, turn off the Snow Thrower and allow it to cool down. Unplug the Snow Thrower before performing any maintenance.

1. Remove the ten (10) screws from the belt cover using a phillips screwdriver (Fig. 5). Remove 3 screws for the impellar bracket shown in (Fig. 6).

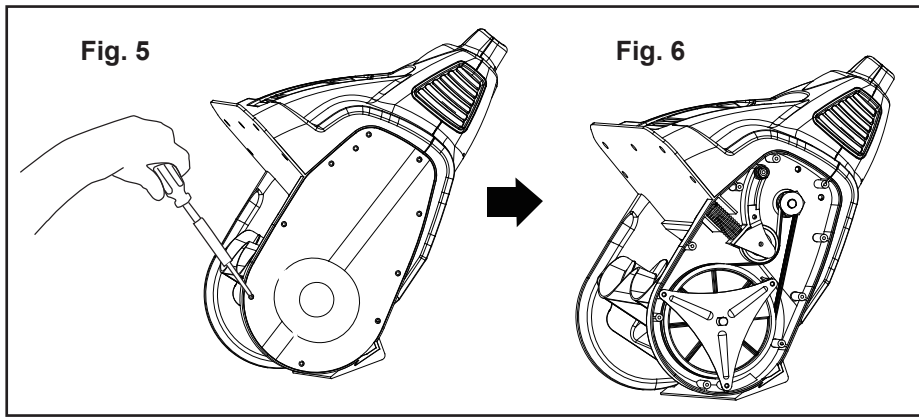
In order to reduce the risk of electric shock, replace the cover before connecting the Snow Thrower to a power source.

2. Pull the belt tensioner (idler arm) away from the drive pulley. Remove the damaged or broken belt from the impeller pulley and the drive pulley inside the housing. Discard the belt in the proper manner (Fig. 6).

3. Loop the new belt around the drive pulley and the impeller pulley (Fig. 6). Pull the belt tensioner (idler arm) away from the drive pulley in order to install the belt around the drive pulley.

NOTE: Verify that the washer is still in place on the impeller pulley shaft before reinstalling the belt cover.

4. Reinstall the belt cover with the ten (10) screws. Reinstall the impellar pulley bracket three screws. In order to facilitate the installation, position the narrow part of the cover into the recess of the housing and install the two top screws and then push the rest of the cover down into recess and over the rotor shaft. Tighten all ten (10) screws.



WARNING: When fitting the belt back into the main housing, verify that the belt is positioned to the right of the Drive Belt Retainer. If the belt is positioned to the left of the Drive Belt Retainer, serious damage may occur.

MAINTENANCE

REPLACING THE SCRAPER

WARNING: In order to avoid serious personal injury, turn the Snow Thrower off and unplug it before performing any maintenance.

Use only the manufacturer's original replacement parts.

1. Place the Snow Thrower on the ground or on a work bench. Position the Snow Thrower so that the impeller is facing up.
2. Remove the three (3) screws that are located beneath the impeller that secure the scraper to the housing using a phillips screwdriver. (Fig. 7).
3. Remove the scraper, and discard it in the proper manner.
4. Snap the new scraper into position, and attach it to the Snow Thrower by reinstalling the three (3) screws.

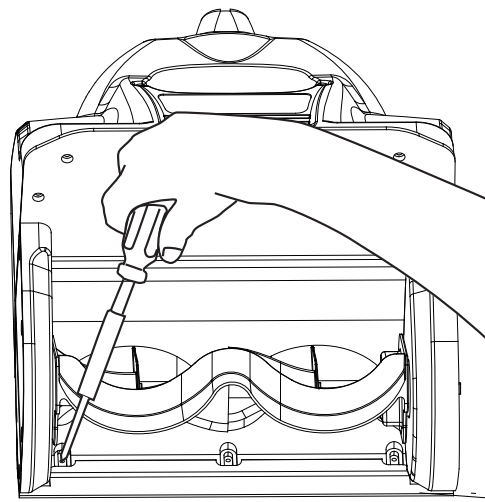


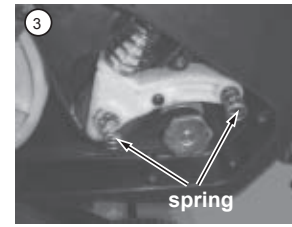
Fig. 7

MAINTENANCE

IMPELLOR REPLACEMENT

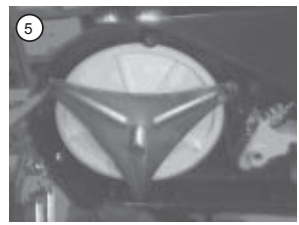
1. Remove the nut from the left hand side of the impellor shaft.

2. Remove the 10 screws from the side cover.

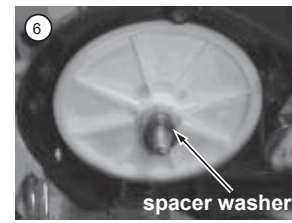


3. Be sure not to lose the 2 springs.

4. Remove the nut from the impellor shaft.

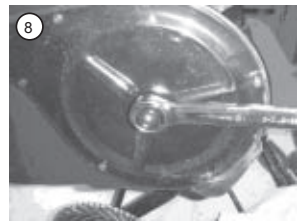


5. Remove the 3 screws holding the pulley support plate.

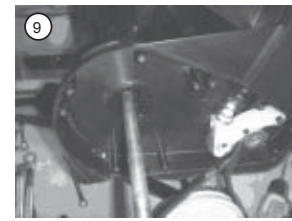


6. Remove the plate and the two spacer washers.

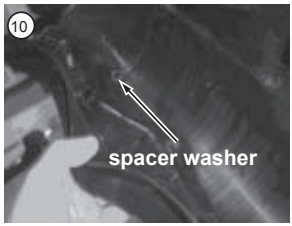
7. Remove the pulley and belt.



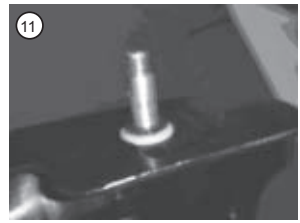
8. Remove the impellor shaft nut from the right hand side.



9. Withdraw the impellor shaft from the left hand side.



10. Withdraw the old / damaged impellor. Be sure to keep the 2 spacer washers from the right hand side of the impellor.

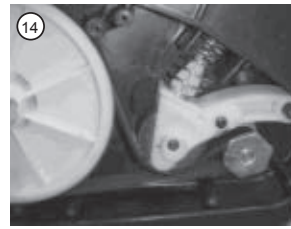


11. Insert the impellor shaft in the new impellor and place the 2 washers on the right hand side.

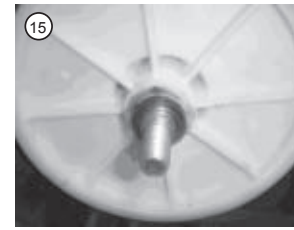
12. Place the impellor and shaft back into the front scoop.

MAINTENANCE

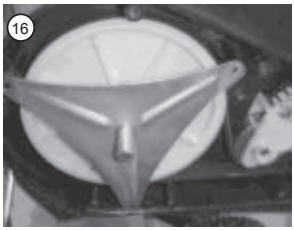
13. Place the pulley back onto the impellor shaft.



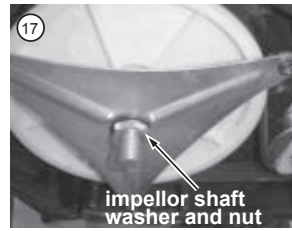
14. Be sure to route the belt correctly, as shown.



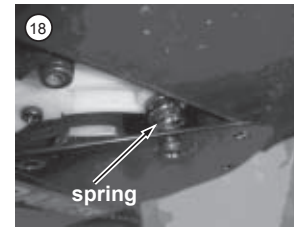
15. Replace the 2 spacer washers on the impellor shaft.



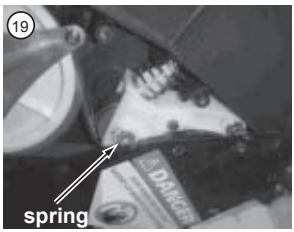
16. Replace the pulley support plate and the 3 retaining screws.



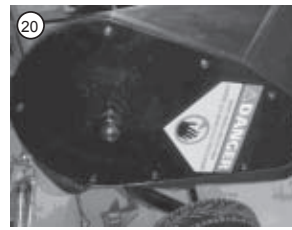
17. Replace and tighten the impellor shaft washer and nut.



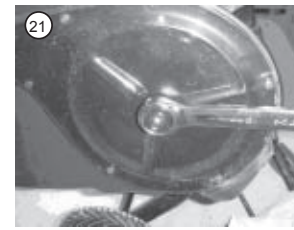
18. Place the upper spring into position and then finger tighten the cover plate into place as shown.



19. Place the lower spring into position and slide the side cover up using slight pressure to hold the spring in place.



20. Replace and tighten the remaining screws and the nut and washer.



21. Re-install the impellor shaft nut and washer on the right hand side, and tighten.

MAINTENANCE

STORAGE

• Allow the motor to cool down before storing.
• Store the Snow Thrower in a locked location in order to prevent unauthorized use or damage.
• Store the Snow Thrower in a dry, well-ventilated area.
• Store the Snow Thrower out of the reach of children.

CLEANING

In order to avoid serious personal injury, turn the Snow Thrower off and unplug it before cleaning or servicing.

Use a small brush to clean the outside of the Snow Thrower. Do not use strong detergents. Household cleaners that contain aromatic oils such as pine and lemon, and solvents such as kerosene can damage the plastic housing and handles. Wipe off any moisture using a soft cloth.

TRANSPORTING THE SNOW THROWER

• Allow the motor to cool down before transporting.
• Secure the Snow Thrower while transporting.
• When moving the Snow Thrower, grasp it by the top and auxiliary handles (Fig. 8).
• When transporting the Snow Thrower with the handles folded, be careful not to make contact with the discharge directional control and accidentally bend it. If the control is bent or damaged, it will not be possible to adjust the vanes.

Fig. 8

TROUBLESHOOTING

THE SNOW THROWER DOES NOT START	
CAUSE	**SOLUTION**
The Snow Thrower is unplugged.	Verify that the Snow Thrower is plugged into an electrical outlet.
The lock-out button or trigger switch were not used properly.	Press and hold the lock-out button, and then lift and hold the trigger switch (see the section entitled Starting the Snow Thrower).
The overload protection switch has popped out.	See the section entitled Overload Protection Switch.
THE MOTOR IS ON, BUT THE ROTOR DOES NOT TURN	
CAUSE	**SOLUTION**
The belt is damaged.	Replace the belt (see the section entitled Inspecting/Replacing the Drive Belt).
THE SNOW THROWER LEAVES A THIN LAYER OF SNOW BEHIND	
CAUSE	**SOLUTION**
The scraper is worn.	Replace the scraper (see the section entitled Replacing the Scraper).

If further assistance is required, contact the Toll-Free Helpline, at 1-866-523-5218.

WARRANTY

For TWO YEARS from the date of purchase within Canada, **YARDWORKS CANADA** will, at its option, repair or replace for the original purchaser, free or charge, any part or parts found to be defective in material or workmanship.

This warranty does not cover:

1. Any part which has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance or alteration; or
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual;or
3.Normal wear, except as noted below;
4.Routine maintenance items such as impeller, blade sharpening;
5.Normal deterioration of the exterior finish due to use or exposure.

Full One Hundred Twenty Days Warranty on Normal Wear Parts: Normal wear parts are defined as blade adaptors, blades, grass bags and tires. These parts are warranted to the original purchaser to be free from defects in material and workmanship for a period of one hundred twenty (120) days from the date of retail purchase.

How to Obtain Service: Warranty service is available, with proof of purchase, through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please call toll free 1 866 523-5218.

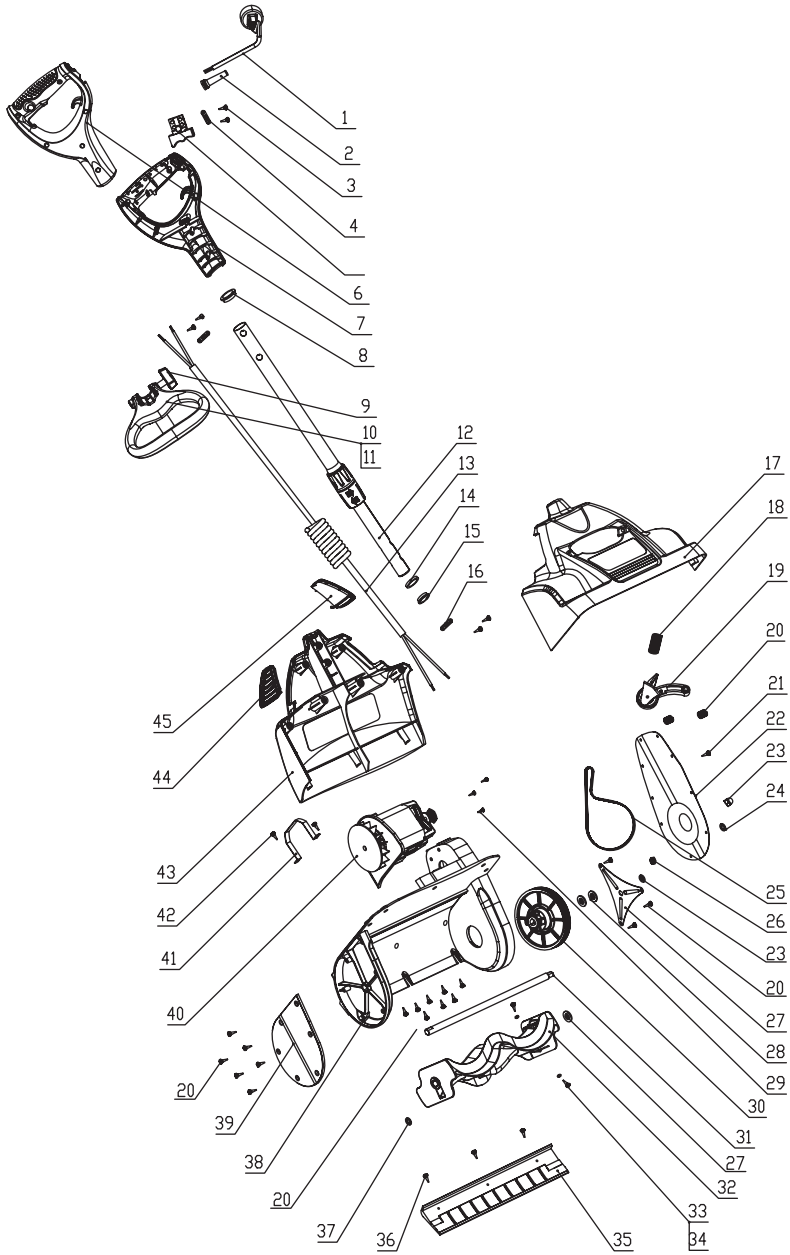
The factory will not accept the return of a complete unit unless prior written permission has been extended by **YARDWORKS CANADA**.

Transportation Charges: Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. The purchaser must pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by **YARDWORKS CANADA**.

Other Warranties: All other warranties, express or implied, including any implied warranty of merchantability is limited in its duration to that set forth in this express limited warranty. The provisions as set forth in this warranty provide the sole and exclusive remedy of **YARDWORKS CANADA** obligations arising from the sale of its products.

YARDWORKS CANADA will not be liable for incidental or consequential loss or damage.

EXPLODED VIEW



PARTS LIST

ITEM NO.	MODEL NO.	DESCRIPTION	QTY
1	36401263	Pigtail cable	1
2	3420101-1	Cord guard	1
3	3220905	Screw	2
4	3410302	Wire clip	2
5	36301263	Switch assembly	1
6	34106263	Left upper handle	1
7	34107263	Right upper handle	1
8	34203625	Protect pacer	1
9	34101185-2	Knob	1
10	34105185-3	Auxiliary handle	1
11	3290205	Nut M6	1
12	31101627	Tube assembly	1
13	3640198-3	Cord	2
14	34201625	Rubber sealing ring	1
15	34202625	Protect pacer	1
16	3410801	Wire clip	1
17	3410898-4	Front housing	1
18	3330198	Spring	1
19	3111198	Tension wheel assembly	1
20	3390298	Spring	1
21	3220298	Screw	38
22	3330298	Left cover	1
23	3220998	Cover nut	1
24	3290499	Washer	2
25	3290198	Belt	1
26	3220236	Nut M10	1
27	3330198	Impeller pulley bracket	1
28	3220898	Washer	3
29	3220598	Screw	3
30	3111298A	Impeller pulley assembly	1
31	3320198	Impellor shaft	1
32	31105627	Impellor assembly	1
33	32206302A	Screw	2
34	3290173	Washer	2
35	3412098A	Snow spade	1
36	3225599	Screw	33
37	32261198	Washer	1
38	3411298	Lower housing	1
39	3411798	Right cover	1
40	31102627	Motor assembly	1
41	3330498	Motor mounting bar	1
42	3220475	Screw	2
43	3410998-4	Rear housing	1
44	31103627	Right grill assembly	1
45	31104627	Left grill assembly	1